

Appl. No. 09/856,552  
Amdt. Dated June 15, 2005  
Reply to Office action of March 15, 2005  
Attorney Docket No. P09516-US1  
EUS/J/P/05-3138

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-9. (Canceled)

10. (New) In a public land mobile network (PLMN), an arrangement for avoiding transmitting redundant messages in the network, comprising:

a mobile end station;

a plurality of base stations, each base station comprising

a plurality of cells for connecting the mobile end station with the PLMN

and

a worker processor for storing and updating data structures denoted as probes, the worker processor having an associated memory for storing the probes;

an administrative processor, coupled to the worker processors,

for receiving data from the worker processors, wherein duplicates of the values corresponding to the respective probes on the worker processors are stored in an associated memory;

for receiving updates to the probes residing on the respective worker processors and the administrative processor, wherein the administrative processor is adapted to re-write the duplicates of the values corresponding to the respective probes on to the respective worker processor; and

responsive to a command for an update of a particular probe, the administrative processor adapted for accessing only those worker processors on which the probe in question exists and requesting only those probe values.

11. (New) The arrangement of claim 10, further comprising:

Appl. No. 09/858,552  
Amdt. Dated June 15, 2005  
Reply to Office action of March 15, 2005  
Attorney Docket No. P09516-US1  
EUS/J/P/05-3138

a record of each type of probe existing on each of the worker processors associated with the administrative processor is maintained on the administrative processor.

12. (New) The arrangement of claim 10, wherein the worker processors are adapted for notifying the administrative processor of changes of each probe stored on the worker processors.

13. (New) The arrangement of claim 10, wherein the each of the worker processors is adapted to send a stored probe state and probe value to the administrative processor when the probe becomes inactive.

14. (New) The arrangement of claim 10, wherein the administrative processor is adapted for updating a probe that is in an active state.

15. (New) The arrangement of claim 10, wherein the administrative processor and the worker processors associated with the administrative processor send data to a file management system (FMS) coupled to the PLMN.

16. (New) In a public land mobile network (PLMN), a method for avoiding transmitting redundant messages in the network, comprising:

coupling a mobile end station with the PLMN utilizing a base station;

storing and updating data structures in a worker processor, wherein the data structures are denoted a probes and the worker processor having an associated memory for storing the probes;

receiving data from the worker processors into an administrative processor, the administrative processor being coupled to the worker processors, wherein duplicates of the values corresponding to the respective probes on the worker processors are stored in an associated memory and

Appl. No. 09/856,552  
Amdt. Dated June 15, 2005  
Reply to Office action of March 15, 2005  
Attorney Docket No. P09516-US1  
EUS/J/P/05-3138

receiving updates to the probes residing on the respective worker processors and the corresponding values residing on the administrative processor, wherein the administrative processor is adapted to re-write the duplicates of the values corresponding to the respective probes on to the respective worker processor; and

responsive to a command for an update of a particular probe, the administrative accessing only those worker processors on which the probe in question exists and requesting only those probe values.

17. (New) The method of claim 10, further comprising the step of maintaining a record of each type of probe existing on each of the worker processors associated with the administrative processor, on the administrative processor.

18. (New) The method of claim 16, the step of the worker processors notifying the administrative processor of changes of each probe stored on the worker processors.

19. (New) The method of claim 16, the step of the worker processors sending a stored probe state and probe value to the administrative processor when the probe becomes inactive.

20. (New) The method of claim 16, further comprising the step of the administrative processor updating records if the state of a probe is an active state.

21. (New) The method of claim 16, further comprising the step of the administrative processor and the worker processors associated with the administrative processor sending data to a file management system (FMS) coupled to the PLMN.